

Minutes of the April 11, 2007, Energy Commission Business Meeting.

The meeting was called to order at 10:03 by Chairman Jackalyne Pfannenstiel. The Pledge of Allegiance was lead by Chairman Pfannenstiel.

Present:

Jackalyne Pfannenstiel, Chairman

James D. Boyd, Vice Chair

Arthur H. Rosenfeld, Commissioner

Jeffrey D. Byron, Commissioner

1. CONSENT CALENDAR. (Items on the Consent Calendar will be taken up and voted on as a group. A Commissioner may request that an item be moved and discussed later in the meeting.)
 - a. CALIFORNIA DEPARTMENT OF CONSERVATION. Possible approval of Amendment 1 to Contract 500-05-028 with the California Department of Conservation for a one-year time extension and a rate increase as provided in the original agreement. The time extension will allow the contractor to complete development of gross sandstone isopach maps for three specific sandstone formations in the Sacramento and San Joaquin Basins for the West Coast Carbon Sequestration Partnership, Phase II. There is no change in the total cost of the contract. Contact: Mary Jane Coombs.
 - b. EQUEST 3.6 AND D2COMPLY 3.6. Possible approval of eQUEST 3.6 and D2comply 3.6 computer programs for use in demonstrating compliance with the 2005 *Building Energy Efficiency Standards* for nonresidential buildings, high-rise residential buildings, and hotels and motels. Contact: Bruce Maeda. (10 minutes)

Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of the Consent Calendar. The vote was unanimous. (4-0)

2. VICTORVILLE 2 HYBRID POWER PROJECT.

- a. Possible approval of the Executive Director's data adequacy recommendation for the City of Victorville's Application for Certification of the Victorville 2 Hybrid Power Project (07-AFC-1). Contact: John S. Kessler. (10 minutes)

Commissioner Byron moved and Commissioner Boyd seconded approval of the Executive Director's recommendation. The vote was unanimous. (4-0)

- b. Possible committee assignment for the Victorville 2 Hybrid Power Project.

Chairman Pfannenstiel assigned Commissioner Boyd as presiding member and herself as second member of the committee for the Victorville2 Hybrid Power project. Commissioner Byron moved and Commissioner Rosenfeld seconded approval of the committee assignment. The vote was unanimous. (4-0)

3. INLAND EMPIRE ENERGY CENTER. Possible approval of a petition by Inland Empire Energy Center, LLC to modify the Inland Empire Energy Center Project (01-AFC-17C). The petition seeks to amend various air quality conditions of certification to make the Energy Commission's Decision consistent with the South Coast Air Quality Management District's facility permit for the project. Contact: Connie Bruins. (10 minutes)

Commissioner Byron moved and Commissioner Boyd seconded approval of the petition to modify the Inland Empire Energy Center. The vote was unanimous. (4-0)

4. ROBERT CENZER CONSULTING. Possible approval of Information Technology Services Purchase Order 06.433.00.012 for \$173,500 with Robert Cenzar Consulting to analyze the October 2006 and April 2007 vehicle registration databases from the Department of Motor Vehicles to support Energy Commission transportation activities. The standard set of 12 reports includes operational vehicle counts broken down by fuel type, vehicle class and geographic location, and input data files for the forecasting unit's models. (ERPA funding - \$63,500; Department of Parks & Recreation RIA - \$30,000; Spending Authority - \$80,000) Contact: Gene Strecker. (10 minutes)

Commissioner Boyd moved and Commissioner Byron seconded approval of Purchase Order 06.433.00.012. The vote was unanimous. (4-0)

5. PERSONAL ENTERPRISES, INC. Possible approval of adding \$40,000 to Purchase Order 3-05-70-1605B with Personal Enterprises, Inc. for a Quality Assurance/Configuration Management Consultant to provide continued services for the Western Renewable Energy Generation Information System (WREGIS) project. The Quality Assurance/Configuration Management Consultant ensures that the WREGIS software vendor performs the appropriate quality assurance and user acceptance testing and also that all WREGIS documentation undergoes version control and adequate storage. Approval of the contract extension will enable WREGIS to meet the specifications of the functional requirements. (ERPA funding.) Contact: Angela Gould. (10 minutes)

Commissioner Boyd moved and Commissioner Byron seconded approval of the addition to Purchase Order 3-05-70-1605B. The vote was unanimous. (4-0)

6. VISIONARY INTEGRATION PROFESSIONALS, LLC. Possible approval of adding \$40,000 to Purchase Order 3-05-70-0399H for a Program Development Project Manager to provide continued services for the Western Renewable Energy Generation Information System (WREGIS) project. The Program Development Project Manager (PDPM) ensures that the processes and fiscal and technical infrastructure needed to support the day-to-day administrative operation of WREGIS at the Western Electricity Coordinating Council (WECC) are in place when the system becomes operational. The PDPM also ensures that the WREGIS program and administrative operations work is completed within scope, planned timeline and estimated budget. Approval of the contract extension will allow administrative operations at WECC to be ready on schedule. (ERPA Funding.) Contact: Angela Gould. (10 minutes)

Commissioner Boyd moved and Commissioner Byron seconded approval of the addition to Purchase order 3-05-70-0399H. The vote was unanimous. (4-0)

7. SAN DIEGO ASSOCIATION OF GOVERNMENTS. Possible approval of Contract 100-06-002 for \$400,000 with San Diego Association of Governments to develop analytical tools for coordinated land use, energy, climate change and alternative fuels research. The research and tools developed under this contract will provide guidance and information for California's local governments to incorporate energy and climate considerations into their planning, development and infrastructure deployment programs. (ERPA funding.) Contact: Panama Bartholomy. (10 minutes)

Commissioner Boyd moved and Commissioner Byron seconded approval of Contract 100-06-002. The vote was unanimous. (4-0)

8. CALIFORNIA AIR RESOURCES BOARD. Possible approval of Contract 500-06-042 with California Air Resources Board for \$50,000 for co-sponsorship of the Haagen-Smit Symposium 2007, which will focus on climate change and its effects. (PIER electricity funding.) Contact: Brian Ellis. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of Contract 500-06-042. The vote was unanimous. (4-0)

9. U. S. DEPARTMENT OF ENERGY, LAWRENCE BERKELEY NATIONAL LABORATORY. Possible approval of Contract 500-06-041 with U. S. Department of Energy, Lawrence Berkeley National Laboratory for \$500,000 to develop high performance building glazing and façade systems for commercial construction. These materials will enable reliable, routine and cost-effective reductions in energy use and peak demand at the building envelope in commercial construction. (PIER electricity funding.) Contact: Michael Seaman. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of Contract 500-06041. The vote was unanimous. (4-0)

10. REGENTS OF THE UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT/CIEE. Possible approval of PIER Work Authorization MR066 under the UC Master Research Agreement 500-02-004 with the Regents of the University of California, Office of the President/CIEE for \$180,055 for *Blast Freezer Fan Modulation Technology for Refrigerated Warehouses*. (PIER electricity funding.) Contact: Rajesh Kapoor. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Work Authorization MR-066. The vote was unanimous. (4-0)

11. GAS TECHNOLOGY INSTITUTE. Possible approval of Contract 500-06-038 for \$2,205,909 with Gas Technology Institute to develop and demonstrate Cummins QSK19G engine generator integrated with a thermo chemical recuperation (TCR) system that exceeds California's 2007 distributed generation emission standards and the

Advanced Reciprocating Internal Combustion Engine (ARICE) 2009 efficiency goal. (PIER electricity funding.) Contact: Avtar Bining. (10 minutes)

Item 11 was moved to the April 25, 2007, Business Meeting agenda.

12. DE SOLUTIONS. Possible approval of a \$749,013 grant to DE Solutions for Engine CHP Emission Control Technology. Working with two combined heat and power (CHP) system manufacturers, Tecogen and BluePoint Energy as subcontractors, DE Solutions will adapt automotive emissions control components for use on stationary natural gas engines used in CHP systems. The goal is to maintain emissions within California Air Resources Board 2007 regulations and provide cost effective, full time emissions monitoring and control to meet South Coast Air Quality Management District's Rulemaking requirements. (PIER natural gas and match funding.) Contact: John Henry Beyer. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of the grant to DE Solutions. The vote was unanimous. (4-0)

13. NET SYSTEM POWER REPORT. Possible approval of *Net System Power 2006*, as required by the Power Content Disclosure program. Contact: Adam Pan. (15 minutes)

Commissioner Byron moved and Commissioner Boyd seconded approval of the Net System Power Report. The vote was unanimous. (4-0)

14. BIOFUELS RD&D GRANT RECOMMENDATIONS. Possible approval of three projects totaling \$2,987,822, under the PIER Renewables Program Biofuels Research, Development and Demonstration Grant Solicitation. (PIER electricity funding.) Contact: Gerald Braun. (20 minutes)

- a. Metcalf & Eddy and San Francisco Public Utility Commission: *Brown Grease Recovery and Biofuel Production Demonstration*. (\$995,791) The project will demonstrate the use of waste fats, oils, and greases to produce an economically viable feedstock for biodiesel fuel.

Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of the grant to Metcalf & Eddy. The vote was unanimous. (4-0)

- b. Renewable Energy Institute International: *Demonstration of an Integrated Biofuels and Energy Production System*. (\$996,093) This project will construct, demonstrate and validate various energy-efficient biomass conversion systems, including a thermochemical conversion system and catalyst to produce syngas for ethanol in an integrated biofuels and energy production system.

Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of the grant to Renewable Energy Institute International. The vote was unanimous. (4-0)

- c. Bluefire Ethanol: *California Lignocellulosic Biorefinery Project*. (\$995,938) Bluefire will develop and test a pre-commercial biorefinery system using green

and wood wastes to produce ethanol. The facility will be located next to an existing landfill gas to energy facility to take advantage of landfill gas for power and steam, easy access to feedstock and use of available infrastructure.

Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of the grant to Bluefire Ethanol. The vote was unanimous. (4-0)

15. SIDLEY AUSTIN LLP. Possible approval of Contract 140-06-002 for \$90,000 with Sidley Austin LLP to provide bond and tax legal assistance for Energy Conservation Assistance Account bond-funded loans. (Bond administration funding.) Contact: Bill Chamberlain. (10 minutes)

Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Contract 140-06-002. The vote was unanimous. (4-0)

16. **Minutes**
Approval of the March 28, 2007, Business Meeting Minutes.

Approval of the minutes was put over for lack of a quorum of members who were present at the March 28 meeting.

17. **Commission Committee Presentations/Discussion** – None
18. **Chief Counsel's Report** – Chief Counsel Bill Chamberlain gave the report.
19. **Executive Director's Report** – Executive Director B. B. Blevins gave the report.
20. **Legislative Director's Report** – None
21. **Public Adviser's Report** – None

Public Comment

Mr. Patrick Splitt, App-Tech, Inc.

Mr. Kevin Madison, James J. Hirsch & Associates

Other Appearances

Mr. Gary Rubenstein, Sierra Research

There being no further business, the meeting was adjourned at 11:40.

Respectfully submitted,

HARRIET KALLEMEYN
Secretary to the Commission